

PROPOSED SUPPRESSION UNDER THE PLENARY POWERS OF
THE GENERIC NAME "TAENIORHYNCHUS" LYNCH-
ARRIBALZAGA, 1891, AND PROPOSED ADDITION TO THE
"OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" OF THE
GENERIC NAME "MANSONIA" BLANCHARD, 1901 (CLASS
INSECTA, ORDER DIPTERA)

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The purpose of the present application is to ask the International Commission on Zoological Nomenclature to use its Plenary Powers to suppress the generic name *Taeniorhynchus* Lynch-Arribálzaga, 1891 (Class Insecta, Order Diptera). This is considered necessary because the genus so named is widely regarded as having been based upon a misidentified type species, the species concerned being the type species of the widely recognised genus *Mansonia* Blanchard, 1901. The relevant facts are set out in the following paragraphs.

2. Lynch-Arribálzaga described the genus *Taeniorhynchus* in 1891 (*Rev. Mus. La Plata* 1 : 374, and 2 : 143), including in it *Culex taeniorhynchus* Wiedemann, *T. confirmis* [sic.] n. sp., and *T. fasciolatus* n. sp. The first of these is currently placed in the genus *Aedes*, the second in the genus *Psorophora*, and the third in the genus *Mansonia* (or *Taeniorhynchus* of authors). While Lynch did not designate a type species, by tautonymy it is automatically *taeniorhynchus* Wiedmann or a species so determined. It is widely accepted that Lynch identified specimens of *Culex titillans* Walker as *Culex taeniorhynchus* Wiedmann, and that the generic name *Taeniorhynchus* belongs to *titillans* and its relatives. Many have accepted *Culex titillans* Walker, 1848 (*List Dipt.*

Brit. Mus. (1) : 5) as the type species of the genus while others adhered strictly to *Culex taeniorhynchus* Wiedemann, 1821 (*Dipt. exot.* : 43).

3. The generic name *Mansonia* was proposed by Blanchard in 1901 (*C.R. Soc. Biol.*, Paris 53 : 1046) as a replacement name for *Panoplites* Blanchard, 1901 (*J. trop. Med. Hyg.* 4 : 235 ; *id.*, 1901, *Mon. Culic.* 2 : 173) which is invalid as a junior homonym of *Panoplites* Gould, [1854] (*Mon. Trochilidae* 2 : pl. 110, 112) in the Class Aves. *Culex titillans* Walker, *C. annulipes* Walker, and five new species were originally included in *Panoplites*. *Taeniorhynchus taeniorhynchus* Lynch was given as a synonym of *Panoplites titillans* (Walker). Neveu-Lemaire (1902, *Mém. Soc. zool. France* 15 : 214) designated "*Mansonia titillans* (Walker)" as type.

4. There are, then, the genera *Taeniorhynchus* Lynch based on *Culex taeniorhynchus* Wiedemann or *Culex taeniorhynchus* Wiedemann of Lynch, the latter synonymous with *Culex titillans* Walker, and *Mansonia*, based upon *Culex titillans* Walker. The usage has been mixed and we present in an Annexe a table to show the usage of the names in the sense of *titillans* and its relatives since 1891. We do not claim this to include all the references to the names in the literature, but we do claim it to be a large and objective sample. We give only the authors for each year that used the names in the sense of the broad genus that now includes *titillans*, and do not attempt to show the number of times in any one year that any author used it. It should be noted that for a period Theobald used *Taeniorhynchus* based on *fasciolatus* which is in the subgenus *Rhynchotaenia* of "*Mansonia*" and that Edwards shifted from one name to the other on the erroneous belief that *Taeniorhynchus* was preoccupied by *Taeniarhynchus*. The name *Taeniorhynchus* has also been used to apply to a group of *Aedes* (see paragraph 5 below) and a number of species of the genus *Culex* were placed in the genus also. A few species of *Orthopodomyia* were also placed in *Mansonia* first. None of these erroneous placements are included in the list given in the Annex.

5. As mentioned in paragraph 4, certain authors have used the name *Taeniorhynchus* to apply strictly to *Culex taeniorhynchus* Wiedemann and its relatives, and if most mosquito workers did not consider this to fall into the subgenus *Ochlerotatus* of *Aedes* as a synonym, the usage would undoubtedly be more common. Some authors who have used the name in this sense are : Dyar, 1918, 1920, 1921, 1922, 1923, 1925, Hearle, 1926, Dyar, 1928, Kumm, 1931, Shannon, 1931, Aguilar, 1931, Ross, 1947. The name *Culicelsa* Felt, 1904, is also based on *Culex taeniorhynchus* Wiedemann and is therefore available if this taxon needs to be named.

6. So far as we are aware, neither the generic name *Taeniorhynchus* Lynch-Arribáizaga, 1891, nor the name *Mansonia* Blanchard, 1901, has been taken as

the base for a family-group name. Accordingly, no problem under this head arises in connection with the present case.

7. Because the name *Taeniorhynchus* Lynch-Arribáizaga is considered to be based upon a misidentified species and has been applied to two different taxa depending upon the principle followed in dealing with such names, and since the name *Mansonia* Blanchard has been used wholly for one currently recognized genus, with the exception of a few early, misplaced species, we request the International Commission on Zoological Nomenclature :—

- (1) to use its Plenary Powers to suppress the generic name *Taeniorhynchus* Lynch-Arribáizaga, 1891, for the purposes of the Law of Priority but not for those of the Law of Homonymy ;
- (2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—

Mansonia Blanchard, 1901 (gender : feminine) (type species, by selection by Neveu-Lemaire (1902) : *Culex titillans* Walker, 1848) ;

- (3) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—
 - (a) *titillans* Walker, 1848, as published in the combination *Culex titillans* (specific name of type species of *Mansonia* Blanchard, 1901) ;
 - (b) *taeniorhynchus* Wiedemann, 1821, as published in the combination *Culex taeniorhynchus* ;
- (4) to place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
 - (a) *Taeniorhynchus* Lynch-Arribáizaga, 1891, as suppressed under the Plenary Powers in (1) above ;
 - (b) *Panoplites* Blanchard, 1901 (a junior homonym of *Panoplites* Gould, [1854]) ;
 - (c) *Panoplites* Reichensperger, 1923 (*Mitt. schweiz. ent. Ges.* 13 : 321) (a junior homonym of *Panoplites* Gould, [1854]).

ANNEXE

Particulars of authors using the generic names "*Taeniorhynchus*" Lynch-Arribáizaga, 1891, and "*Mansonia*" Blanchard, 1901, respectively in the sense of "*Culex titillans*" Walker, 1848, and Relatives

<i>Year</i>	<i>Taeniorhynchus</i>	<i>Mansonia</i>
1891	Lynch Arribáizaga	
1901	Theobald	Blanchard
1902	Giles ; Kertész ; Neveu-Lemaire	Neveu-Lemaire
1903	Becker ; Neveu-Lemaire ; Theobald	Laveran ; Ludlow ; Theobald
1904	Bourroul ; Coquillett ; Felt ; Giles ; Theobald	Bourroul ; Theobald
1905	Aldrich ; Blanchard ; Dyar ; Felt ; Goeldi ; Theobald	Aldrich ; Blanchard ; Goeldi ; Gruenberg ; Theobald
1906	Aiken and Rowland ; Coquillett ; Dyar and Knab ; Neveu-Lemaire	Aiken and Rowland ; De Meijere ; Neveu-Lemaire ; Theobald
1907	Autran ; Chagas ; Dyar and Knab ; Mitchell	Autran
1908	Bancroft ; Peryassú ; Theobald ; Williston	Bancroft ; Banks ; Dyar and Knab ; Leicester ; Peryassú ; Theobald ; Williston
1909	Ludlow	Knab ; Pazos
1910	Theobald	Dyar and Knab ; Newstead and Thomas ; Theobald ; Thibault
1911	Edwards ; Theobald	Theobald
1912	Edwards ; Surcouf and Gonzalez-Rincones	Brèthes ; Surcouf and Gonzalez-Rincones
1913	Carter ; Edwards ; Theobald	Howard ; Dyar and Knab
1914	Brunetti ; Taylor	Brunetti ; Ludlow ; Pazos
1915	Edwards	Howard ; Dyar and Knab
1916	Brèthes	Dyar and Knab ; Howard
1917	Edwards	Howard ; Dyar and Knab

<i>Year</i>	<i>Taeniorhynchus</i>	<i>Mansonia</i>
1918		Dunn ; Dyar
1919		Dyar ; Edwards
1920	Brunetti ; Edwards ; Séguy ; Wesenburg-Lund	Dyar ; Martini
1921	Dyar ; Edwards	Bonne-Wepster and Bonne ; Dyar
1922	Edwards ; Macfie and Ingram ; Peryassú	Dyar ; Matheson and Shannon
1923	Bonne-Wepster and Bonne ; Séguy	Dyar
1924	Edwards	Comstock ; Dyar and Shannon ; Nuñez-Tovar
1925	Bonne-Wepster and Bonne ; Johnson ; Petrocchi ; Séguy	Dyar ; Dyar and Shannon ; Edwards
1926	Edwards	Bequaert
1927	Barraud ; Brug ; Buxton ; Johnson ; Schingarew ; Stackelberg	Mackerras
1928	Barraud and Covell ; Edwards and Givens ; Leonard ; Lutz	Bedford ; Connal ; Dyar ; Edwards ; Lutz ; Shannon and Del Ponte
1929	Matheson	Hegner ; Root and Augustine ; Lima
1930	Bequaert ; Bonne-Wepster ; Borel ; Lima ; Schwetz	Chandler ; Edwards ; Martini ; Matheson ; Pinto ; Shute
1931	Braga ; Curran ; Galliard ; Lima	Aguilar ; Edwards ; Headlee ; Kumm ; Martini ; Prado ; Shannon
1932	Bonne-Wepster ; Pinto	Brues and Melander ; Edwards ; Gerry ; Kerr ; Matheson ; Riley
1933	Shute	Barraud ; Davis ; Iyengar ; Kerr

Year	<i>Taeniorhynchus</i>	<i>Mansonina</i>
1934	Townsend	Barraud ; Cory <i>et al</i> ; Curran ; Edwards and James ; Lane ; Li and Wu ; Mail ; Matheson ; Peus ; Rodenwaldt ; Shannon ; Taylor
1935	Lima	Evans and Walker ; Li and Wu ; Martini ; Pandazis
1936	Edwards ; Hopkins	Enderlein ; Galliard ; Montschadsky ; Wolcott
1937	Owen ; Séguy	Bonne-Wepster ; Bonne- Wepster and Bonne ; Bonne- Wepster and Brug ; Lane and Antunes ; Senevet ; Stackelberg ; Tulloch
1938	Brimley ; Carbonell ; Marshall	Carbonell ; Feng
1939	Edwards ; Oldroyd and Smart ; Graham ; Herms	Bonne-Wepster ; Bonne- Wepster and Brug ; Galliard ; Herms ; King ; Bradley and McNeel ; Lane ; Senevet and Abonnenc ; Tulloch
1940	Netto	Kumm ; Komp and Ruiz ; Lane and Coutinho ; Menon ; Pandazis ; Vargas
1941	Edwards	Anduze ; Carpenter ; Reeves
1942	Oliveira	King ; Bradley and McNeel ; Rozeboom
1943	Cerqueira ; Colas-Belcour ; Parr ; Rebello and Carvalho ; Taylor	Freeborn and Brookman ; Marcuzzi ; Paine ; Williams
1944	Barreto and Coutinho ; Callot and Van Ty ; Cambournac ; McClintock ; Taylor Van Emden	Amos ; Bohls ; Dickinson ; Farner ; Floch and Abonnenc ; Knight ; Knight ; Bohart and Bohart ; Matheson ; Rees ; Tate and Gates ; Tokunaga

<i>Year</i>	<i>Taeniorhynchus</i>	<i>Mansonia</i>
1945	Gillett	Baises ; Bohart ; Chamberlain and Duffy ; Dodge ; Floch and Abonnenc ; Headlee ; Matheson
1946	Frey ; Gillett ; Pereira	Bohart ; Bohart and Ingram ; Carpenter ; Middlekauff and Chamberlain ; Hsiao and Bohart ; Perry ; Pratt ; Proctor
1947	Lewis ; Mullin-Diaz	Amos ; Reid ; Ross
1948	Natvig ; Smart ; Wolfs	Bonne-Wepster ; Hill and Hill ; Knight and Chamberlain : Lu and Chang ; Perez, V. ; Wolcott
1949	Gillett	Hewitt ; Kano and Hayashi ; Penn ; Perry ; Young
1950	Carter ; Mattingly	Eads ; Hennig ; La Casse and Yamaguti ; Kano and Hayashi ; Rempel ; Séguy
1951	Colyer and Hammond ; Doucet ; Haddow ; Wolfs	Darsie ; Freeborn and Bohart ; Lane ; Mihályi ; Soós and Sztankay ; Monchadsky ; Reid and Wilson ; Shogaki ; Yamaguti and La Casse
1952	Castro and Bressanello ; Hopkins	Carpenter ; Hagmann ; Jayewickreme and Niles ; Yamaguti
1953	Wanson	Bargren ; Brower ; Brown ; Hagmann ; Lane ; Pratt ; Rempel ; Stage ; Gjullin and Yates
1954	Aitken ; Asanuma and Nakagawa ; Bonne-Wepster ; De Meillon	Bidlingmayer ; Bohart ; Floch and Fauran ; Mackie ; Hunter and Worth ; Piekarski ; Roy and Brown
1955	Muspratt ; Smith ; Van Someren ; Teesdale and Furlong	Carpenter and La Casse ; Horsfall ; Séguy
1956	Haddow	